

8.1 Review

Grade: 11th
Subject: Chemistry
Date: 2/4/13

Feb 3-3:42 PM

- 1 A pi bond forms when parallel orbitals overlap and share electrons.

True
False

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Feb 3-3:49 PM

2 Single covalent bonds are called _____ bonds.

Feb 3-3:49 PM

3 The chemical bond that results from sharing valence electrons is a _____ bond.

Feb 3-3:50 PM

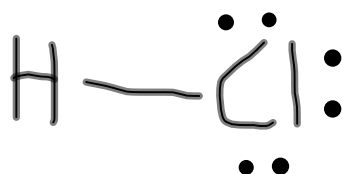
4 A _____ is formed when two or more atoms bond covalently.

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5 A _____ reaction occurs when more energy is released during product bond formation compared to the energy required to break the bonds in the reactants.

Feb 3-3:53 PM

6 Below is the Lewis structure for the molecule _____.



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8.3 Review

Grade: 11th
Subject: Chemistry
Date: 2/10

Feb 13-4:41 PM

1 A structural formula shows the arrangement of the atoms in a molecule.

True

False

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2 The central atom in a molecule is the one with the highest electron affinity.

True

False

Feb 10-4:19 PM

3 In molecules, hydrogen is always the terminal atom.

True

False

Feb 10-4:19 PM

4 The number of bonding paris in a molecule is equal to the number of electrons.

True

False

Feb 10-4:20 PM

5 The electrons in a coordinate covalent bond are donated by both the bonded atoms.

True

False

Feb 10-4:20 PM

6 Resonance occurs when more than one valid Lewis structure can be written for a molecule.

True

False

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7 Nitrate is an example of an ion that forms resonance structures.

True

False

Feb 10-4:21 PM

8 All electrons in an atom are available for bonding.

True

False

Feb 10-4:21 PM

9 The carbon dioxide molecule contains two double bonds.

True

False

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10 When carbon and oxygen bond, the molecule contains ten pairs of bonding electrons.

True

False

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Chapter 8 Review

Grade: 11th
Subject: Chemistry
Date: 2/11/13

Feb 11-4:43 PM

1 Write the name of the molecule:



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2 Write the name of the molecule: NO

Feb 11-4:50 PM

3 write the name of the following acid: HClO_2

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4 Write the name of the following acid: H_3PO_4

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5 Write the name of the following acid: H_2Se

Feb 11-4:53 PM

6 Write the name of the following acid: HClO_3

Feb 11-4:55 PM

7 Write the name of the following acid: HBrO_2

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8 Write the name of the following acid: HBr

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9 Which of the following elements below are capable of forming molecules in which one of its atoms has an expanded octet?

- A B
- B C
- C P
- D O
- E Se

Feb 11-4:59 PM

10 The common name for _____ is tetraiodosilane. What is its molecular compound name?

- A silane tetraiodide
- B silane tetraiodine
- C silicon iodide
- D silicon tetraiodide

Feb 11-5:01 PM

11 The central selenium atom in selenium hexafluoride forms an expanded octet. How many electron pairs surround the central Se atom?

- A 4
- B 5
- C 6
- D 7

Feb 11-5:04 PM

12 What is the molecular shape for the molecule:



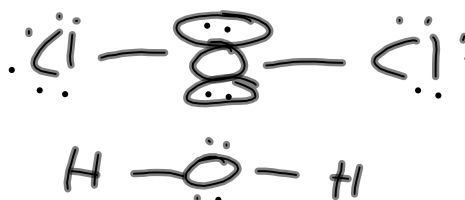
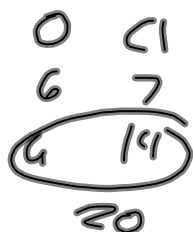
- A trigonal planar
- B bent
- C tetrahedral
- D linear

Feb 11-5:06 PM

13 What is the molecular shape for the molecule:



- A trigonal planar
- B bent
- C linear
- D tetrahedral



Feb 11-5:07 PM

14 What is the molecular shape for the molecule: BeF_2

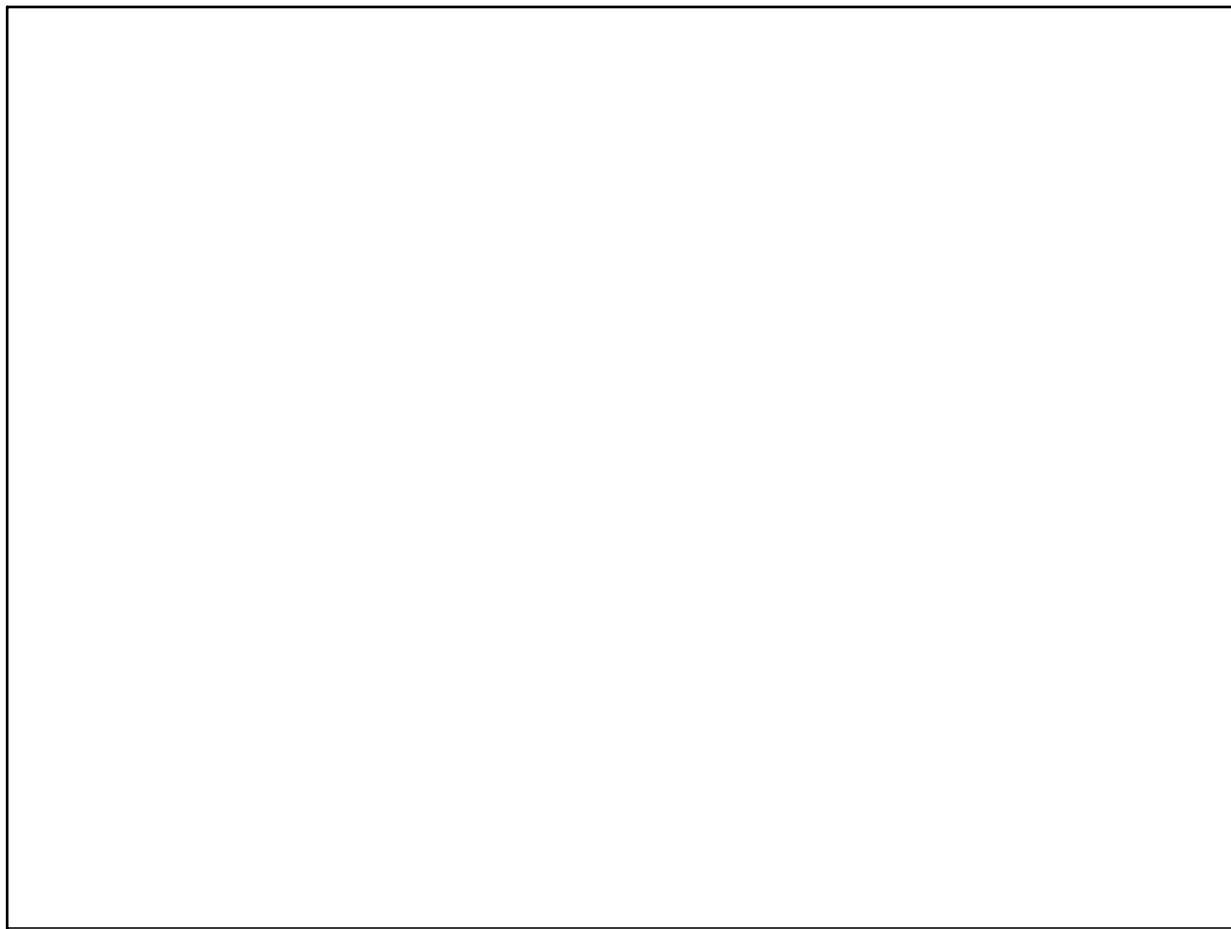
- A trigonal planar
- B bent
- C linear
- D tetrahedral

Feb 11-5:07 PM

15 What is the molecular shape for the molecule: CF_4

- A trigonal planar
- B bent
- C linear
- D tetrahedral

Feb 11-5:08 PM



Feb 12-9:25 AM